PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER ACTION	as well	see Form PCT/ISA/220 as, where applicable, Item 5 below.
2-2004-006WO nternational application No.	International filing date (day/mo	nth/year)	(Earliest) Priority Date (day/month/year)
CT/EP2005/051170	15/03/200	5	25/03/2004
pplicant			
OTICON A/S			
This International Search Report has be according to Article 18. A copy is being	en prepared by this International Stransmitted to the International Bur	earching Aut eau.	hority and is transmitted to the applicant
This International Search Report consis	ts of a total of3	sheets.	
X It is also accompanied i	by a copy of each prior art docume	nt cited in this	s report.
Basis of the report With regard to the language, the state of the language of the language.	ne international search was carried unless otherwise indicated under th	out on the ba	asis of the international application in the
The internation	al search was carried out on the b	asis of a trans	slation of the international application furnished to
b. With regard to any nuc	eleotide and/or amino acid seque	ence disclose	d in the international application, see Box No. I.
2. Certain claims were t	ound unsearchable (See Box II).		
3. Unity of invention is	lacking (see Box III).		
4. With regard to the title,	to the the configurat		
X the text is approved a	s submitted by the applicant. ablished by this Authority to read a	s tollows:	
the text has been esta	ionariod by two vivi		
5. With regard to the abstract,			
· .	as submitted by the applicant.		Day No. IV. The applicant
the text has been es may, within one mor	tablished, according to Rule 38.2(in the from the date of mailing of this	o), by this Aul international i	thority as it appears in Box No. IV. The applicant search report, submit comments to this Authority.
6. With regard to the drawings,	the dutie the abstract is	Figure No.	1
a. the figure of the drawings t	o be published with the abstract is	94.0 . 40	
hathalas as salected	ed by the applicant. by this Authority, because the app	licant failed t	o suggest a figure.
as selected	by this Authority, because this fig	ure better cha	aracterizes the invention.
b. none of the figures	is to be published with the abstrac	t.	

Form PCT/ISA/210 (first sheet) (January 2004)

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY To: WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY see form PCT/ISA/220 (PCT Rule 43bis.1) Date of mailing (dayimonth/year) see form PCT/ISA/210 (second sheet) FOR FURTHER ACTION Applicant's or agent's file reference See paragraph 2 below see form PCT/ISA/220 Priority date (day/month/year) International filing date (dayimonthiyear) International application No. 25.03.2004 15.03.2005 PCT/EP2005/051170 International Patent Classification (IPC) or both national classification and IPC H04R25/00 Applicant OTICON AS This opinion contains indications relating to the following items: Basis of the opinion ☑ Box No. 1 ☐ Box No. II Non-establishment of opinion with regard to novelty, inventive step and industrial applicability ☐ Box No. III ☐ Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis 1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Certain documents cited ☐ Box No. VI ☐ Box No. VII Certain defects in the international application 🖾 Box No. VIII Certain observations on the international application **FURTHER ACTION** If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. Authorized Officer Name and mailing address of the ISA:



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IAP16 Rec'd PCT/PTO 22 SEP 2006 10/593879

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/EP2005/051170

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	Box	No. I Basis of the opinion			
1.	. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.				
	17	This opinion has been established on the basis of a translation from the original language into the following anguage , which is the language of a translation furnished for the purposes of international search under Rules 12.3 and 23.1(b)).			
2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:				
	a. type of material:				
		a sequence listing			
		table(s) related to the sequence listing			
b. format of material:					
		in written format			
		in computer readable form			
c. time of filing/furnishing:					
		contained in the international application as filed.			
		filed together with the international application in computer readable form.			
		furnished subsequently to this Authority for the purposes of search.			
3. i	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.				
4	Additio	Additional comments:			

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/EP2005/051170

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

4,5

No: Claims

1-3, 6-9

Inventive step (IS)

Yes: Claims

No: Claims

ims 1-9

Industrial applicability (IA)

Yes: Claims

1-9

No: Claims

2. Citations and explanations

see separate sheet

Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

see separate sheet

IAP16 Rec'd PCT/PTO 22 SEP 2006

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

10/593879 International application No.

PCT/EP2005/051170

- 3.2 Document D1 also discloses the additional features of dependent claims 2, 3, 6-9:
 - referring to claim 2, see figure 1
 - referring to claim 3, see acoustical resistor 138
- referring to claim 6, see faceplate 104 (on figure 1, faceplate 104 covers the face with the opening entirely, and the middle part of the inlet structure, in between the 2 ports referenced 108 and 110, is shaped to encompass a minor part of said face)
- referring to claims 7 and 9, see figure 1, where gasket 122 has sufficient thickness to provide packing in an axial direction in relation to the sound duct.
- referring to claim 8, see figure 1, where gasket 122 extends around microphone openings (132, 134, 136), therefore providing packing in a radial direction in relation to the sound duct.
- 3.3 Dependent claims 4 and 5 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of inventive step.

The resilient rim along the gasket area of claim 4 comes within the scope of customary practice followed by persons skilled in the art, especially as the advantages thus achieved can readily be foreseen. See for example D2, where O-rings (341, 342) made of resilient material are provided between acoustical dampers and assembly portion. The two adjacent parts of the sound duct are disclosed by figure 1 of document D1.

The use of cement as sealing in claim 5 is a standard design option (see for example D2 and the corresponding passage cited in the search report). The use of adhesive foil is an equivalent to the feature of cement of document D2 and can be interchanged with that feature where circumstances make it desirable.